

REDIBar^{SCL}

Easy to Order • Quick Delivery • Fast Installation



**Up to 7 Conductors
in a Safe, Compact
Design**

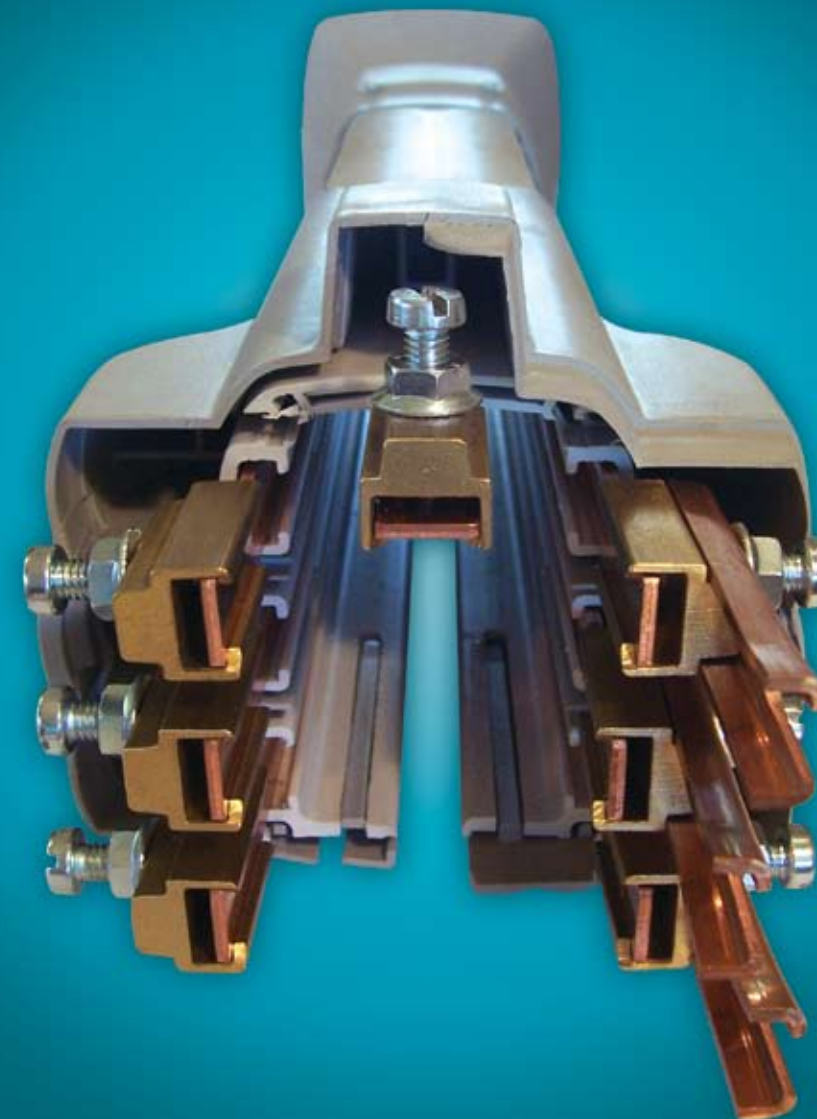
Highly Configurable

UL/CSA Approved

Easy to Order

Quick Delivery

**Fast Installation Using
Common Hand Tools**



The Leaders In Power Transfer Technology

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TranStech
POWER TRANSFER SYSTEMS

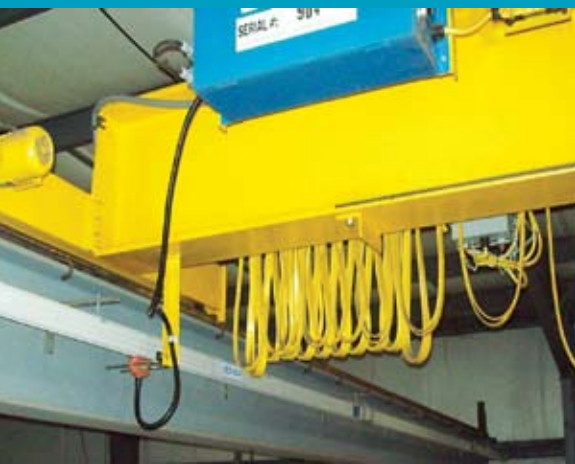
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Moving Electrification Forward



Shipping Bay Crane

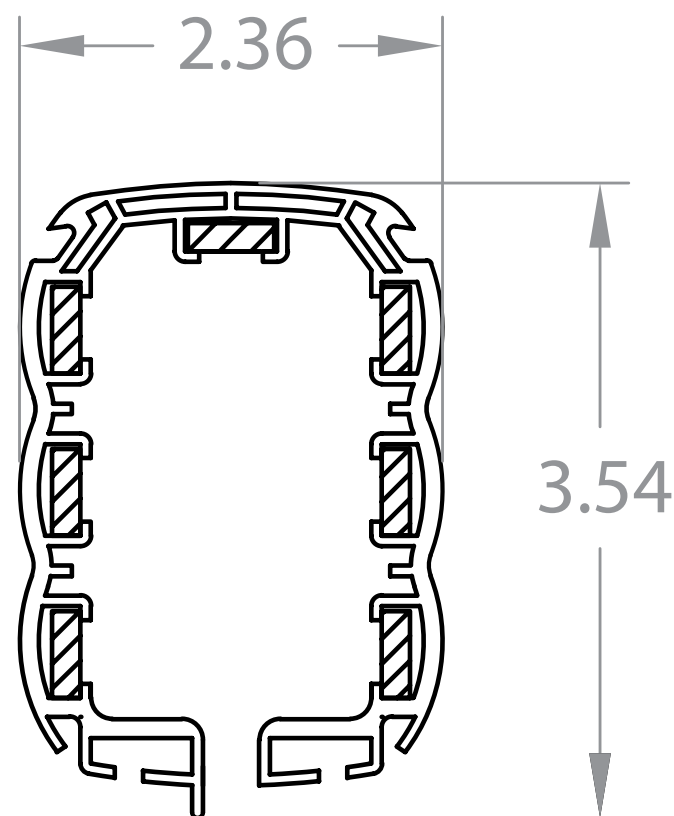
REDIBar^{SCL}

Pre-Assembled, Ready-to Install Enclosed Conductor Bar System

REDI-BAR is a factory-assembled, ready-to-install conductor bar system designed to simplify crane conductor installations and replacements from 64 amps up to 480 amps. With an installation that can be completed in just a few hours, REDI-BAR can be installed quickly and easily with minimal downtime. Standard 4-pole conductor bar assemblies are available off-the-shelf, while custom conductor bar assemblies are manufactured to order for unique applications.

Features

- Ready-to-install enclosed copper conductor bar system with pre-assembled rail, hangers, splices and feeder
- Allows up to 7 conductors within a safe, compact enclosure
- Trolley-style current collector integrates all conductors into a single low-maintenance unit
- Fast and simple field installation: a single nut for each conductor is all that is required to securely join conductor bar sections
- Flexible feeder design can be located anywhere on the system
- Curved sections can be produced with a radius as small as 800mm in both the vertical and horizontal axes
- Optional sealing strip available to reduce dust and moisture intrusion (IP24 rating)
- Isolation/maintenance sections available



Specifications

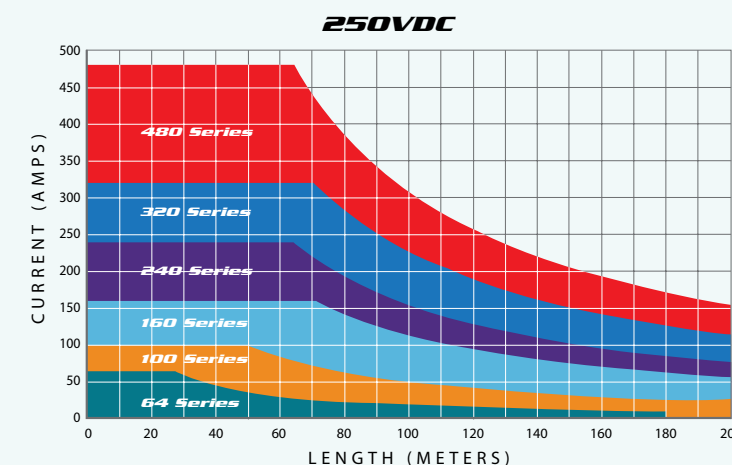
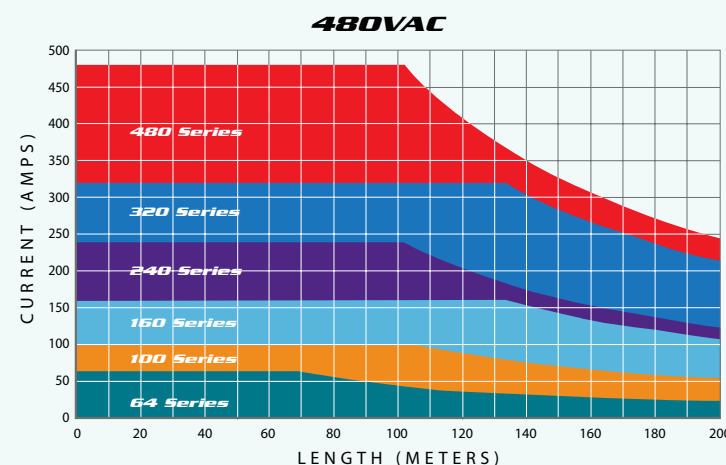
- Standard 4-pole copper conductor configuration (3 phases plus ground)
- Up to 660 volt (AC and DC) and 480 amp capacity configurations
- 64, 100, 160 and 240 amp 3-phase plus ground
- 320 and 480 amp achieved with parallel phase conductors plus single ground (1/2 amperage ground)
- UL and CSA approved
- 4 meter, 2 meter and 1 meter standard bar lengths, custom lengths available
- Standard isolation section available
- Custom conductor configurations possible
- Temperature range: -22°F to 158°F continuous

Configuration is Easy

Configuring a REDI-BAR system is very easy and can be completed with only basic information regarding the input power requirements and conductor bar length.

STEP ONE: REDI-BAR System Selection

- 1 Select the appropriate chart below based on the power requirements of your crane, 480VAC or 250VDC (for other power systems, please contact TransTech for assistance)
- 2 On the vertical axis of the chart, plot your maximum current load
- 3 On the horizontal axis, plot your system length in meters (1 meter = 3.3 feet); if longer than 200 meters, please contact TransTech
- 4 Note the colored region where these two plots intersect; this determines which REDI-BAR series is required



STEP TWO: Determine Required Components

- 1 Once the REDI-BAR series is determined, select a 4m Starter Kit
 - A. For 64 or 100 series REDI-BAR systems:
 - If an end power feed is required select the End Feed Starter Kit
 - If the feed point is located elsewhere on the system, select the Line Feed Starter Kit
 - B. For 160 to 480 series REDI-BAR systems, select the Line Feed Starter Kit (which can also be used as an end feed)

Series	Line Feed Starter Kit (4m)	End Feed Starter Kit (4m)
64	RBS4064	RBE4064
100	RBS4100	RBE4100
160	RBS4160	N/A
240	RBS4240	N/A
320	RBS4320	N/A
480	RBS4480	N/A

- 2 Determine the number of Add-on Kits required based on length; the total of all Add-on Kits should be 4 meters less than the desired system length since the Starter Kit is 4 meters long
 - A. For example, for a 23 meter long system, 19 meters of Add-On Kits are required:
 - 4m Add-on Kit (quantity 4 required)
 - 2m Add-on Kit (quantity 1 required)
 - 1m Add-on Kit (quantity 1 required)

Series	Add-on Kit (4m)	Add-on Kit (2m)	Add-on Kit (1m)
64	RBA4064	RBA2064	RBA1064
100	RBA4100	RBA2100	RBA1100
160	RBA4160	RBA2160	RBA1160
240	RBA4240	RBA2240	RBA1240
320	RBA4320	RBA2320	RBA1320
480	RBA4480	RBA2480	RBA1480

- 3 Determine the number of trolley collectors required to carry the current load by dividing the required current load by the collector current capacity from the chart and rounding up
 - A. For example, for a 90A current load using 100 series REDI-BAR, three 40A trolleys are required ($90 \div 40 = 2.25$, round up to 3)

Series	Collector Trolley	Current Capacity
64	RB94041	40A
100	RB94041	40A
160	RB94041	40A
240	RB94041	40A
320	RB94171	100A
480	RB94171	100A